



Revision Number: 003.1

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** TURCO 5948-R  
**Product type:** Cleaner  
**IDH number:** 855403  
**Region:** United States  
**Company address:** Henkel Corporation  
 32100 Stephenson Highway  
 Madison Heights, MI 48071  
**Contact information:** Telephone: 248.583.9300  
 For Chemical Emergency: Call CHEMTREC at 800.424.9300  
 Internet: www.henkelna.com

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

<b>Physical state:</b>	Liquid	<b>HEALTH:</b>	*2
<b>Color:</b>	Blue	<b>FLAMMABILITY:</b>	0
<b>Odor:</b>	None	<b>PHYSICAL HAZARD:</b>	0
		<b>Personal Protection:</b>	See MSDS Section 8

**WARNING:** This product is irritating to the eyes, respiratory system and skin.  
 Product contains a glycol ether which caused blood disorders in rabbits.

**Relevant routes of exposure:** Skin, Inhalation, Eyes

**Potential Health Effects**

**Inhalation:** This product is irritating to the respiratory system. Repeated inhalation may be harmful; lung irritation and serious central nervous system disorders may result.  
**Skin contact:** Severe skin irritation. Prolonged or repeated skin contact may result in redness, burning sensation or dermatitis.  
**Eye contact:** This product is severely irritating to the eyes.  
**Ingestion:** Harmful if swallowed. Product contains a glycol ether which caused blood disorders in rabbits.

**Existing conditions aggravated by exposure:** Liver disorders. Kidney disorders. Blood disorders.

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

See Section 11 for additional toxicological information.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous components	CAS NUMBER	%
Surfactant	Proprietary	5 - 10
2-Butoxyethanol	111-76-2	5 - 10
Monoethanolamine	141-43-5	1 - 5
Sodium xylene sulfonate	1300-72-7	1 - 5

**4. FIRST AID MEASURES**

**Inhalation:** If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.  
**Skin contact:** For skin contact flush with large amounts of water. Obtain medical attention if irritation persists.

**Eye contact:** In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

**Ingestion:** DO NOT induce vomiting unless directed to do so by medical personnel. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get immediate medical attention.

## 5. FIRE FIGHTING MEASURES

**Flash point:** > 200 °C (> 392°F)

**Autoignition temperature:** Not determined

**Flammable/Explosive limits - lower:** Not determined

**Flammable/Explosive limits - upper:** Not determined

**Extinguishing media:** Use media appropriate for surrounding material.

**Special firefighting procedures:** Wear full protective clothing. Wear self-contained breathing apparatus.

**Unusual fire or explosion hazards:** This product is an aqueous mixture which will not burn.

**Hazardous combustion products:** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 6. ACCIDENTAL RELEASE MEASURES

**Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.**

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Contain spill. Ventilate area. Do not allow product to enter sewer or waterways. Isolate area. Keep unnecessary personnel away.

**Clean-up methods:** Collect spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled closed container. Dispose of according to Federal, State and local governmental regulations.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Provide adequate ventilation. Avoid breathing vapors or mists of this product. Wash thoroughly after handling.

**Storage:** Keep the container tightly closed and in a cool, well-ventilated place.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.**

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Surfactant	None	None	None	None
2-Butoxyethanol	20 ppm TWA	(SKIN) 50 ppm (240 mg/m <sup>3</sup> ) TWA	None	None
Monoethanolamine	3 ppm TWA 6 ppm STEL	3 ppm (6 mg/m <sup>3</sup> ) TWA	None	None
Sodium xylene sulfonate	None	None	None	None

<b>Engineering controls:</b>	Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.
<b>Respiratory protection:</b>	If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.
<b>Eye/face protection:</b>	Wear chemical goggles; face shield (if splashing is possible).
<b>Skin protection:</b>	Chemical resistant, impermeable gloves. Use of impervious apron and boots are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	Blue
<b>Odor:</b>	None
<b>Odor threshold:</b>	Not available
<b>pH:</b>	11.7 - 12.2
<b>Vapor pressure:</b>	Not available
<b>Boiling point/range:</b>	> 93.3 °C (> 199.9 °F) calculated
<b>Melting point/ range:</b>	Not applicable
<b>Specific gravity:</b>	1.01
<b>Vapor density:</b>	Not applicable
<b>Flash point:</b>	> 200 °C (> 392°F)
<b>Flammable/Explosive limits - lower:</b>	Not determined
<b>Flammable/Explosive limits - upper:</b>	Not determined
<b>Autoignition temperature:</b>	Not determined
<b>Evaporation rate:</b>	Not determined
<b>Solubility in water:</b>	Complete
<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>VOC content:</b>	Not applicable

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable at normal conditions.
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
<b>Incompatible materials:</b>	This product may react with oxidizing agents. Reaction with strong acids.
<b>Conditions to avoid:</b>	Store away from incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Surfactant	No	No	No
2-Butoxyethanol	No	No	No
Monoethanolamine	No	No	No
Sodium xylene sulfonate	No	No	No

Hazardous components	Health Effects/Target Organs
Surfactant	No Target Organs
2-Butoxyethanol	Blood, Central nervous system, Irritant, Kidney, Liver
Monoethanolamine	Irritant, Kidney, Liver, Corrosive, Respiratory, Developmental
Sodium xylene sulfonate	Irritant

## 12. ECOLOGICAL INFORMATION

Ecological information: Not available

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazardous waste number: Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

## 14. TRANSPORT INFORMATION

### U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated  
Hazard class or division: None  
Identification number: None  
Packing group: None

### International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated  
Hazard class or division: None  
Identification number: None  
Packing group: None

### Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated  
Hazard class or division: None  
Identification number: None  
Packing group: None

## 15. REGULATORY INFORMATION

### United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12(b) Export Notification: None above reporting de minimus

CERCLA/SARA Section 302 EHS: None above reporting de minimus

CERCLA/SARA Section 311/312: Immediate Health, Delayed Health

CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). 2-Butoxyethanol (CAS# 111-76-2).

California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

### Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

WHMIS hazard class: D.1.B, D.2.A, D.2.B

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Regulatory Affairs

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